

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A composition ~~containing tripolyphosphate and water-soluble chitosan~~ for stimulating bone-formation and bone-consolidation comprising a water-soluble chitosan, a tripolyphosphate, and β ig-h3 protein, wherein a mixed ratio of the tripolyphosphate to the water-soluble chitosan is 20:80 ~ 80:20 weight %, and wherein the β ig-h3 protein is contained in the water-soluble chitosan at a concentration of 100 μ g/ml ~ 1 mg/ml.
- 2-4. (Cancelled).
5. (Currently Amended) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1 ~~[[4]]~~, wherein the ratio of the tripolyphosphate to the water-soluble chitosan is 50:50 weight %.
- 6-7. (Cancelled).
8. (Currently Amended) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1 ~~6~~, wherein the ratio of the tripolyphosphate to the water-soluble chitosan is 50:50 weight % and the β ig-h3 protein is added at the concentration of 300 μ g/ml ~ 600 μ g/ml.
- 9-10. (Cancelled).
11. (New) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 8, wherein the β ig-h3 protein is added at the concentration of 450 μ g/ml.

12. (New) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the water-soluble chitosan is 5% water-soluble chitosan, and the tripolyphosphate is 5% tripolyphosphate.
13. (New) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 5, wherein the water-soluble chitosan is 5% water-soluble chitosan, and the tripolyphosphate is 5% tripolyphosphate.
14. (New) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 8, wherein the water-soluble chitosan is 5% water-soluble chitosan, and the tripolyphosphate is 5% tripolyphosphate.
15. (New) The composition for stimulating bone-formation and bone-consolidation as set forth in claim 11, wherein the water-soluble chitosan is 5% water-soluble chitosan, and the tripolyphosphate is 5% tripolyphosphate.
16. (New) A method for stimulating bone-formation and bone-consolidation of a subject, comprising:
simultaneously injecting water-soluble chitosan solution containing β ig-h3 protein and tripolyphosphate solution in an effective amount to stimulate bone-formation and bone-consolidation into the same target spot of the subject using a dual syringe to induce immediate hardening of the water-soluble chitosan solution by mixing the water-soluble chitosan solution and the tripolyphosphate solution, wherein a mixed ratio of the tripolyphosphate solution to the water-soluble chitosan solution is 20:80 ~ 80:20 weight %, and wherein the concentration of the β ig-h3 protein in the water-soluble chitosan solution is 100 μ g/ml ~ 1 mg/ml.
17. (New) The method for stimulating bone-formation and bone-consolidation as set forth in claim 16, wherein the mixed ratio of the tripolyphosphate solution to the water-soluble chitosan solution is 50:50 weight % and the concentration of the β ig-h3 protein is 300 μ g/ml ~ 600 μ g/ml.

18. (New) The method for stimulating bone-formation and bone-consolidation as set forth in claim 17, wherein the concentration of the β ig-h3 protein is 450 μ g/ml.